



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

Leader Industries, Inc.
P.O. Box 40913
Nashville, TN 37204

SCOPE: This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Model DC -PVB Aluminum Vertical Blade Louvered Penthouse Fan Enclosure

APPROVAL DOCUMENT: Drawing No. 08-01640, titled "DC-PVB Penthouse Fan Enclosure", sheets 1 through 7 of 7, dated 06/25/2012, with revision A dated 02/25/2013, prepared by Leader Industries, Inc, signed and sealed by Luis R. Lomas, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA renews and revises NOA # 07-0305.08 and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by Carlos M. Utrera, P.E.



[Handwritten signature]
03/14/2013

NOA No. 12-0618.04
Expiration Date: August 2, 2017
Approval Date: March 21, 2013
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **08-01640**, titled "DC-PVB Penthouse Fan Enclosure", sheets 1 through 7 of 7, dated 06/25/2012, with revision A dated 02/25/2013, prepared by Leader Industries, Inc, signed and sealed by Luis R. Lomas, P.E.

B. TESTS *"Submitted under NOA # 07-0305.08"*

1. Test Report # **NCTL 210-3258-1** on Large Missile Impact Test per FBC, TAS 201-94, Cyclic Wind Pressure Test per FBC, TAS 203-94, and Uniform Static Air Pressure Test per FBC, TAS 202-94, prepared by National Certified Testing Laboratories, dated 04/10/2006, signed and sealed by Gerard J. Ferrara, P.E.

C. CALCULATIONS *"Submitted under NOA # 08-1126.04"*

1. DC-PVB Penthouse Fan Enclosure anchor calculations, prepared by Luis R. Lomas, P.E., dated 02/24/2013, signed and sealed by Luis R. Lomas, P.E.

"Submitted under NOA # 07-0305.08"

2. Calculations titled "DCPVB Aluminum Vertical Blade Louvered Penthouse" dated February 20, 2007 signed and sealed Eric S. Nielsen, P.E.

D. QUALITY ASSURANCE

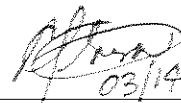
1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

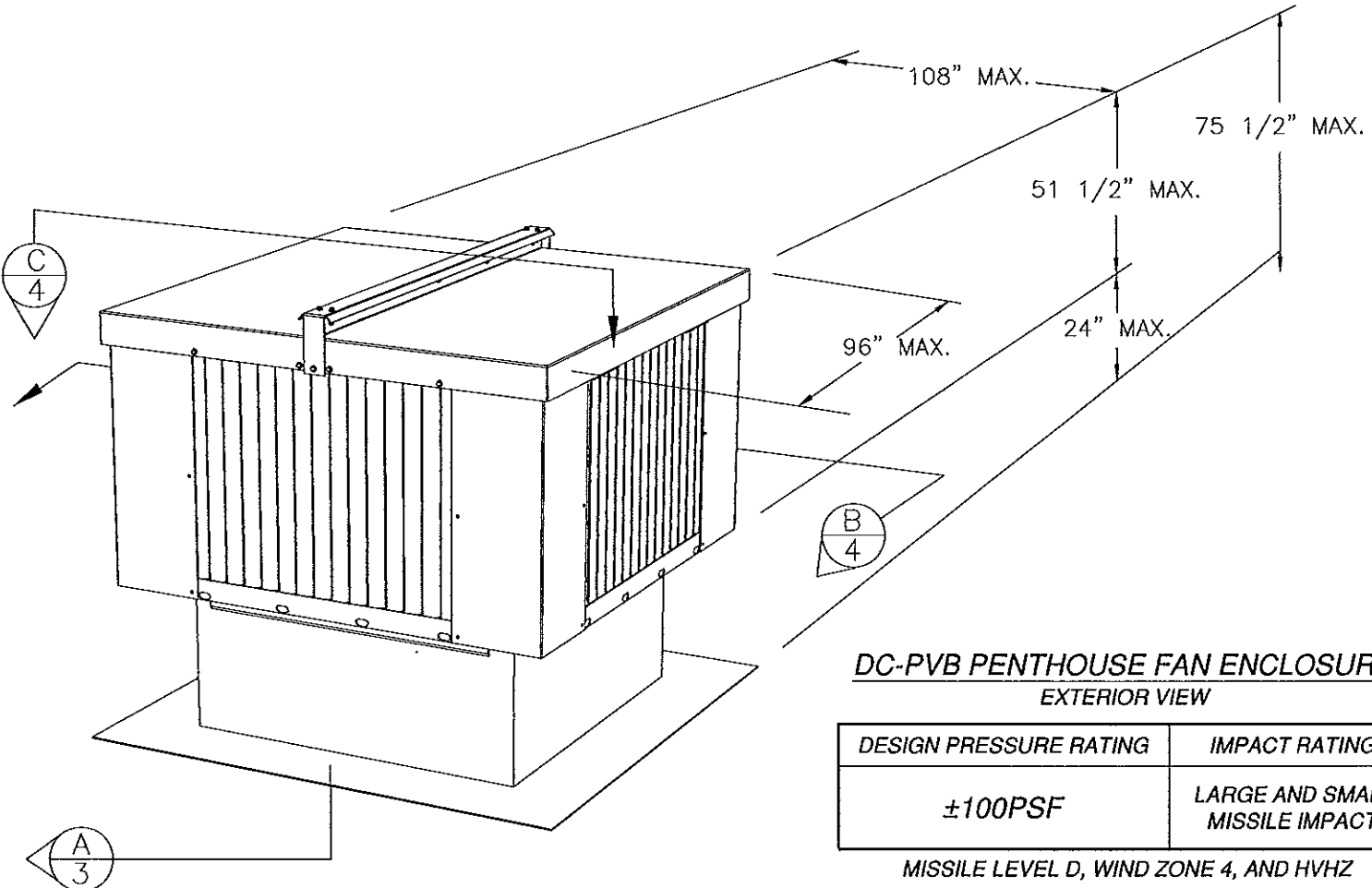
1. Statement letter of code conformance to 2010 FBC and no financial interest, dated 06/28/2012, signed and sealed by Luis R. Lomas, P.E.


03/14/2013

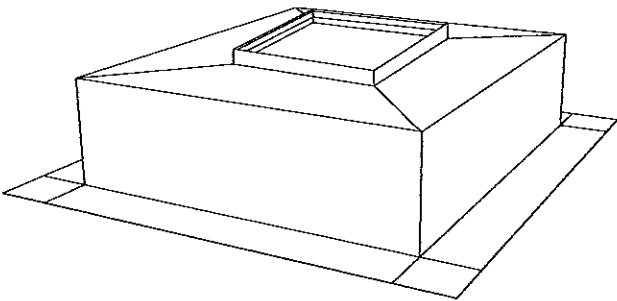
Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 12-0618.04

Expiration Date: August 2, 2017
Approval Date: March 21, 2013

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER MD COMMENTS	02/25/13	R.L.



- NOTES:
1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING THE HVHZ.
 2. WOOD FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
 3. ALLOWABLE STRESS INCREASE OF 1/3 WAS NOT USED IN THE DESIGN OF THE PRODUCT SHOWN HEREIN. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
 4. FRAME MATERIAL: ALUMINUM 6063-T5.
 5. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
 6. FOR ANCHORING INTO WOOD DECKING USE 5/16" LAG SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 5/8" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
 7. FOR ANCHORING INTO CONCRETE USE 1/4" HILTI KWIK BOLT III WITH SUFFICIENT LENGTH TO ACHIEVE A 2 1/2" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 4 1/2" MINIMUM EDGE DISTANCE OR 1/4" TAPCON WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT AND 2 1/2" MINIMUM EDGE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
 8. FOR ANCHORING INTO METAL STRUCTURE USE 1/4" SMS OR SELF DRILLING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
 9. FOR WELDING INTO METAL STRUCTURE USE 1/8" X 7/8" FILLET WELD. LOCATE WELDS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
 10. ALL FASTENERS TO BE CORROSION RESISTANT.
 11. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW:
 - A. WOOD – MINIMUM SPECIFIC GRAVITY OF G=0.42
 - B. CONCRETE – MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.
 - C. MASONRY – STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
 - D. METAL STRUCTURE: STEEL 12GA, 33KSI OR ALUMINUM 6063-T5 1/8" THICK MINIMUM



CURB W/ OPTIONAL FAN COLLAR

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	ELEVATIONS & GENERAL NOTES
2	ANCHORING DETAILS & NOTES
3	INSTALLATION DETAILS
4-5	CROSS SECTIONS
6	COMPONENTS
7	BILL OF MATERIALS

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 12-0618.04
Expiration Date 08/02/2017

By [Signature]
Miami Dade Product Control

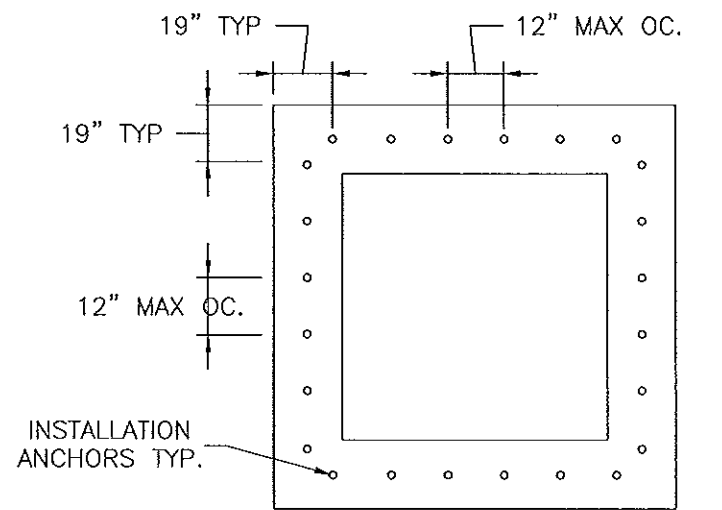
LEADER INDUSTRIES INC.
P.O. BOX 40913
NASHVILLE, TN 37204

DC-PVB PENTHOUSE
FAN ENCLOSURE
ELEVATIONS AND GENERAL NOTES

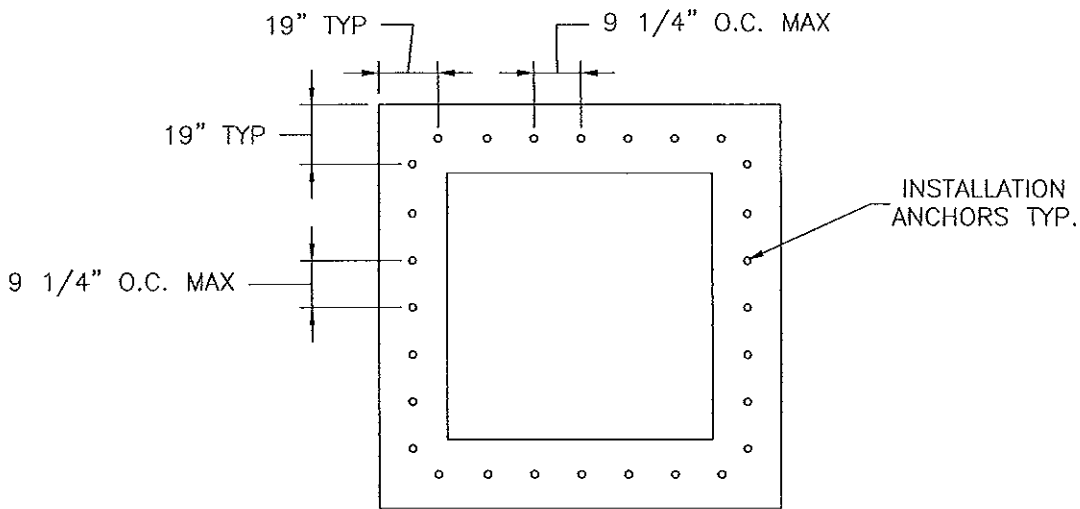
DRAWN: LMP	DWG NO. 08-01640	REV A
SCALE N.T.S.	DATE 06/25/12	SHEET 1 OF 7

SIGNED: 02/24/2013

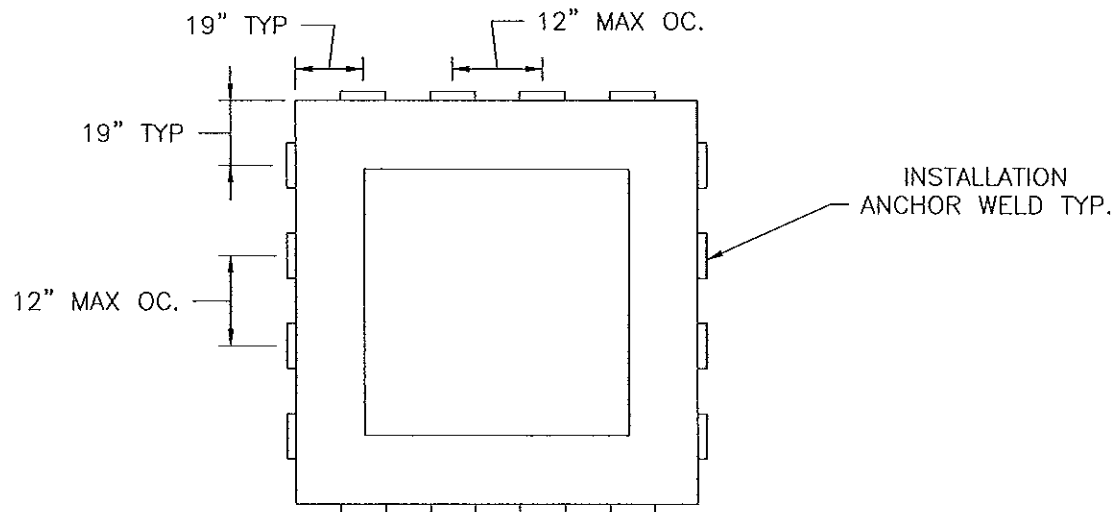
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER MD COMMENTS	02/25/13	R.L.



ANCHOR LAYOUT
 CONCRETE/MASONRY AND WOOD DECKING
 SEE NOTES 6 & 7 SHEET 1



ANCHOR LAYOUT
 METAL DECKING
 SEE NOTE 8 SHEET 1

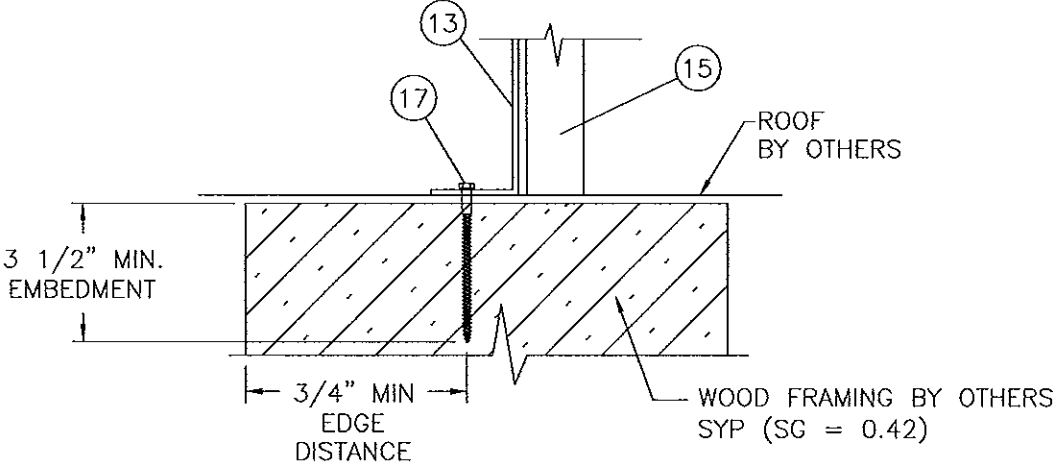


ANCHOR LAYOUT
 METAL DECKING
 SEE NOTE 9 SHEET 1

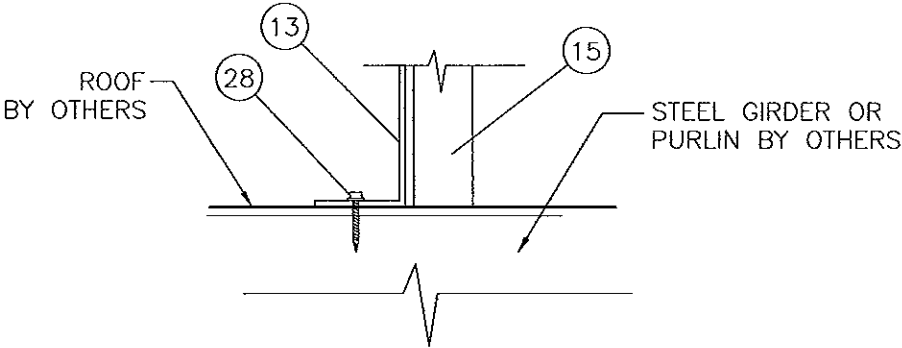
SIGNED: 02/24/2013

PRODUCT REVISED as complying with the Florida Building Code Acceptance No <u>12-0618.04</u> Expiration Date <u>08/02/2017</u> By <u>[Signature]</u> Miami Dade Product Control	LEADER INDUSTRIES INC. P.O. BOX 40913 NASHVILLE, TN 37204			
	DC-PVB PENTHOUSE FAN ENCLOSURE ANCHORING DETAILS AND NOTES			
	DRAWN: LMP	DWG NO. 08-01640	REV A	
	SCALE N.T.S.	DATE 06/25/12	SHEET 2 OF 7	

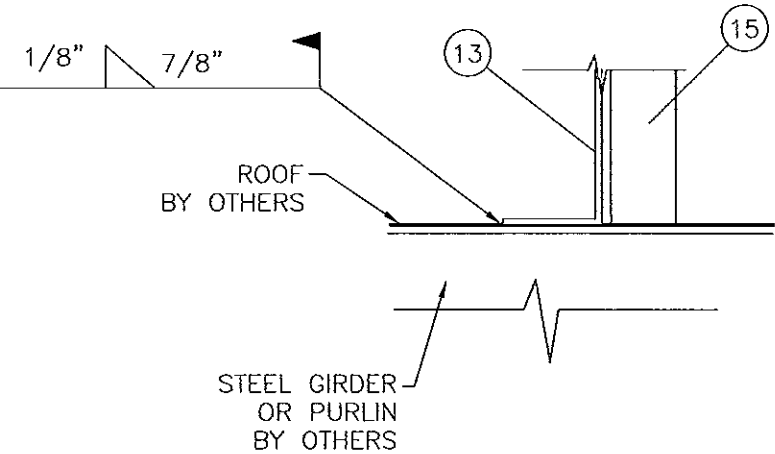
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REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER MD COMMENTS	02/25/13	R.L.



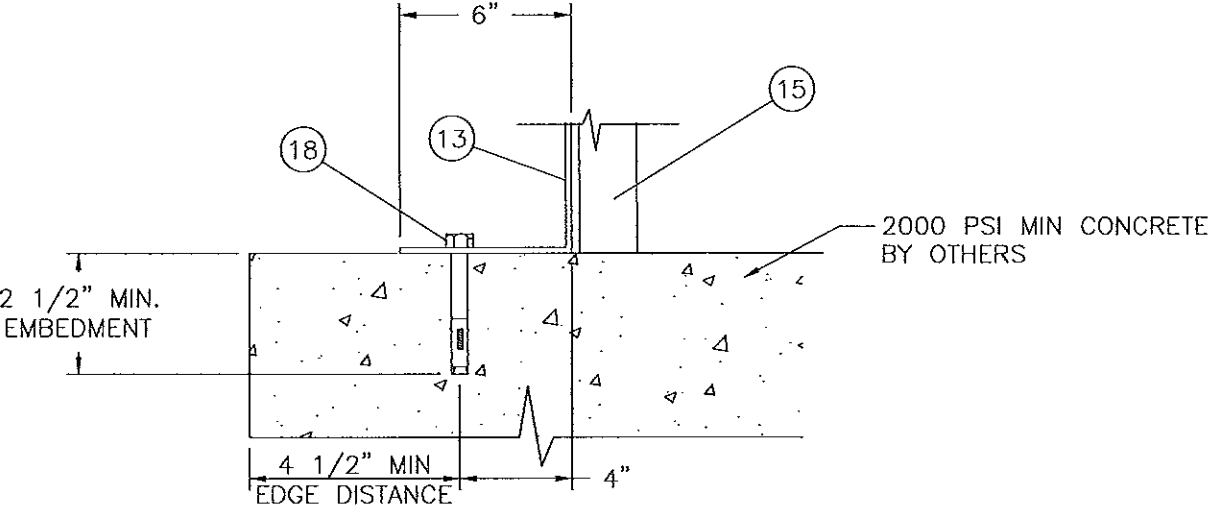
**(A/3) WOOD DECKING
INSTALLATION**



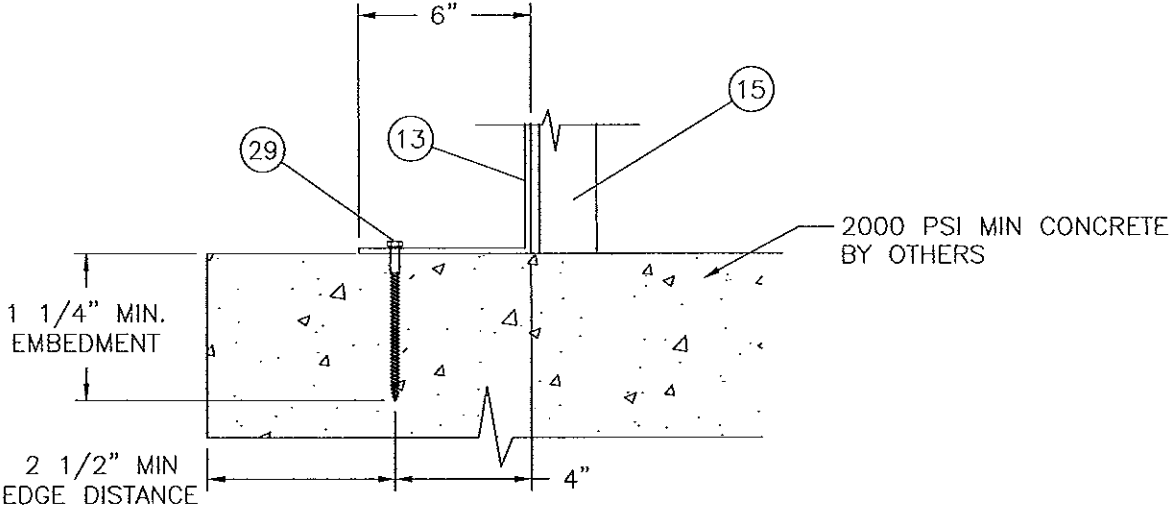
**(A/3) METAL DECKING
INSTALLATION**



**(A/3) METAL DECKING
INSTALLATION**



**(A/3) CONCRETE
INSTALLATION**

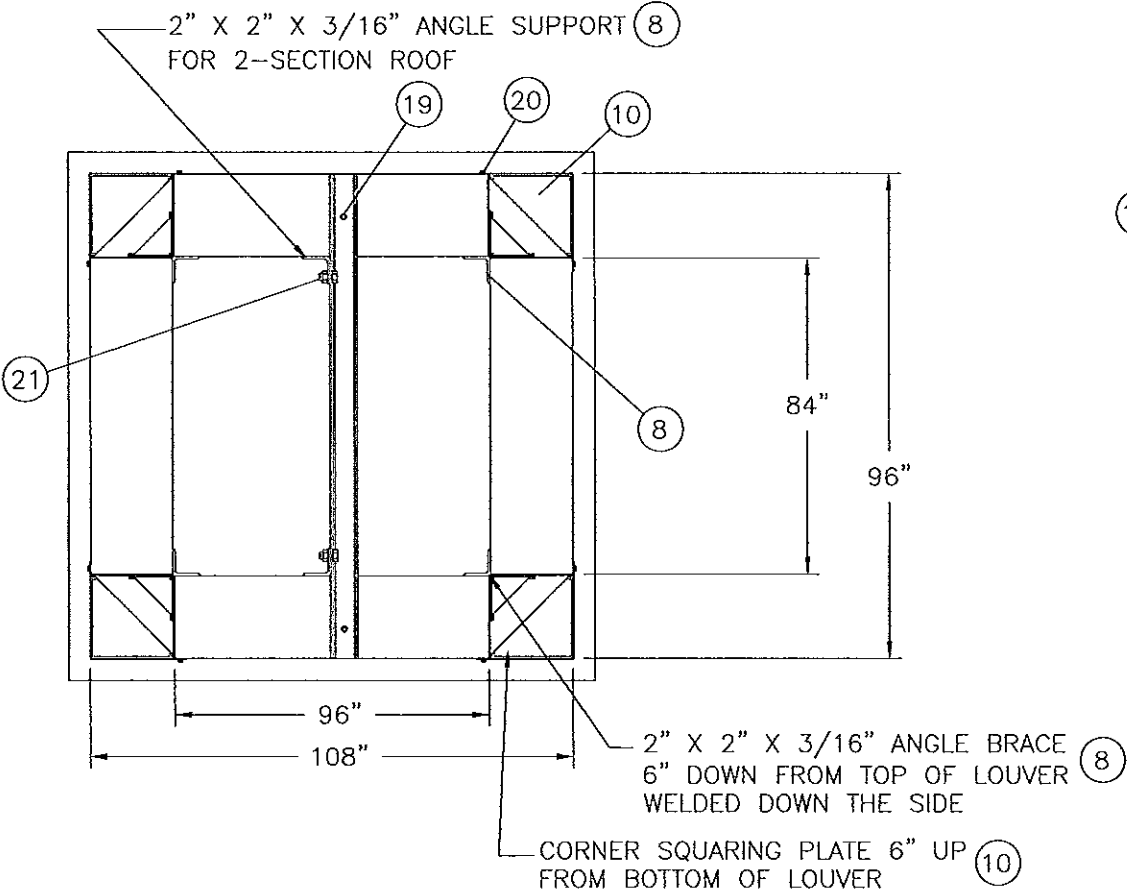


**(A/3) CONCRETE
INSTALLATION**

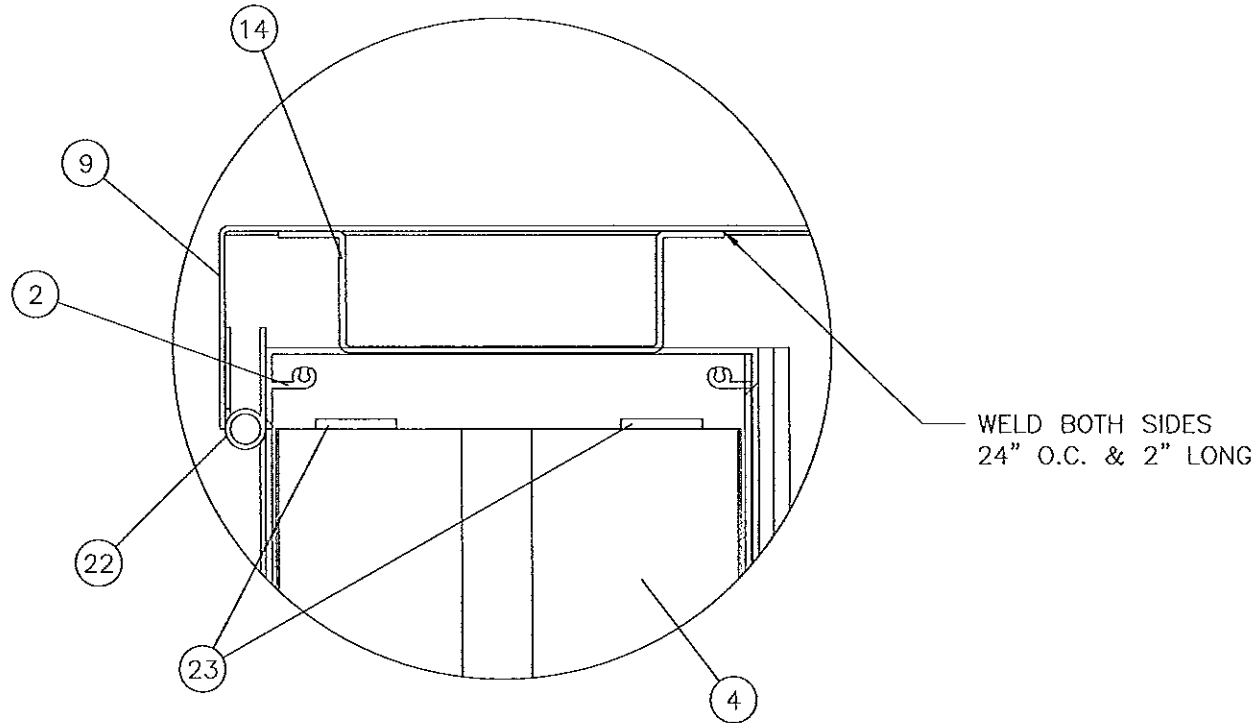
SIGNED: 02/24/2013

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. <u>12-0618.04</u> Expiration Date <u>08/02/2017</u> By <u>[Signature]</u> Miami Dade Product Control		LEADER INDUSTRIES INC. P.O. BOX 40913 NASHVILLE, TN 37204 DC-PVB PENTHOUSE FAN ENCLOSURE INSTALLATION DETAILS			
DRAWN: LMP		DWG NO. 08-01640			REV A
SCALE N.T.S.		DATE 06/25/12			SHEET 3 OF 7

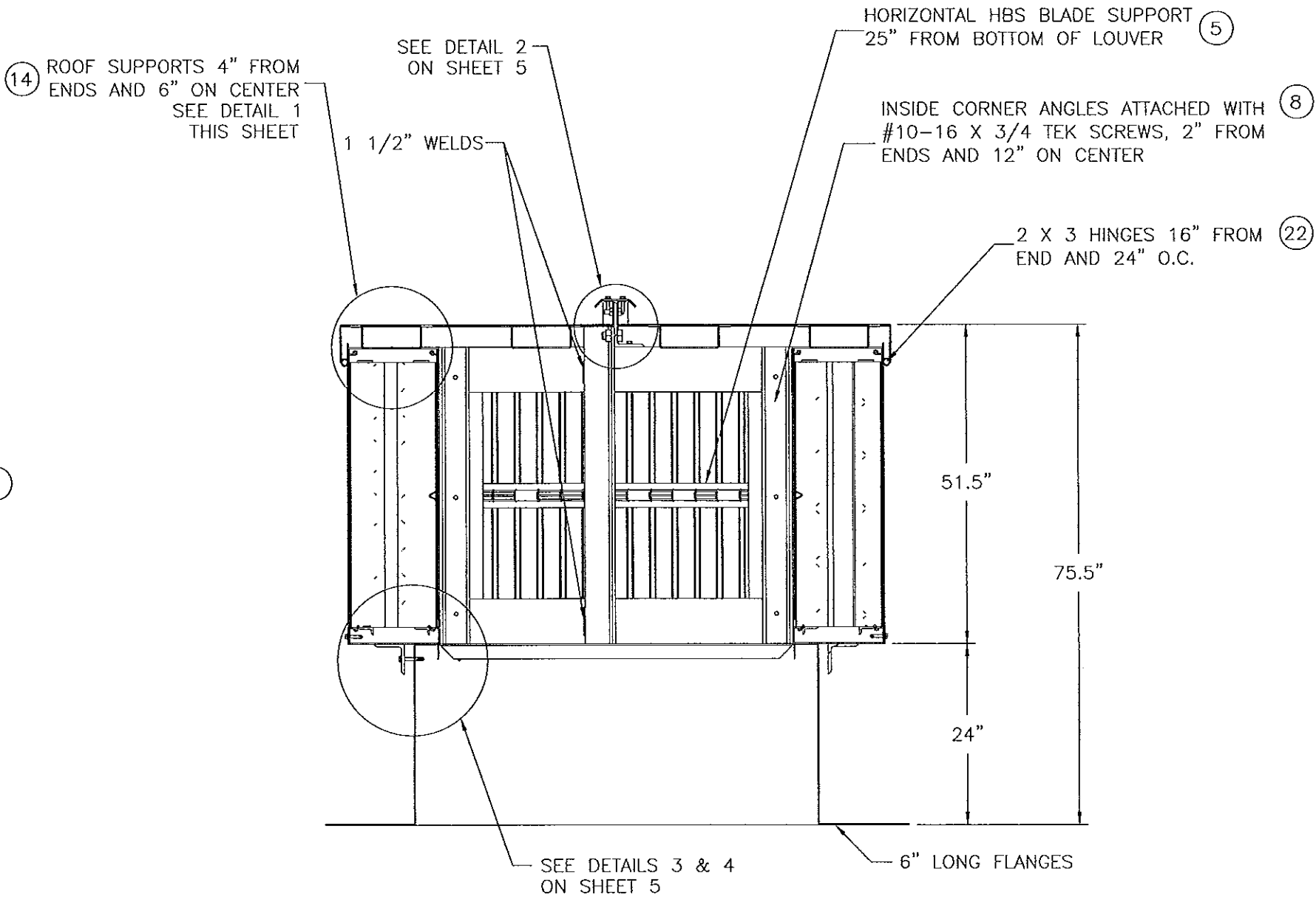
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER MD COMMENTS	02/25/13	R.L.



C
4 HORIZONTAL CROSS SECTION



DETAIL 1

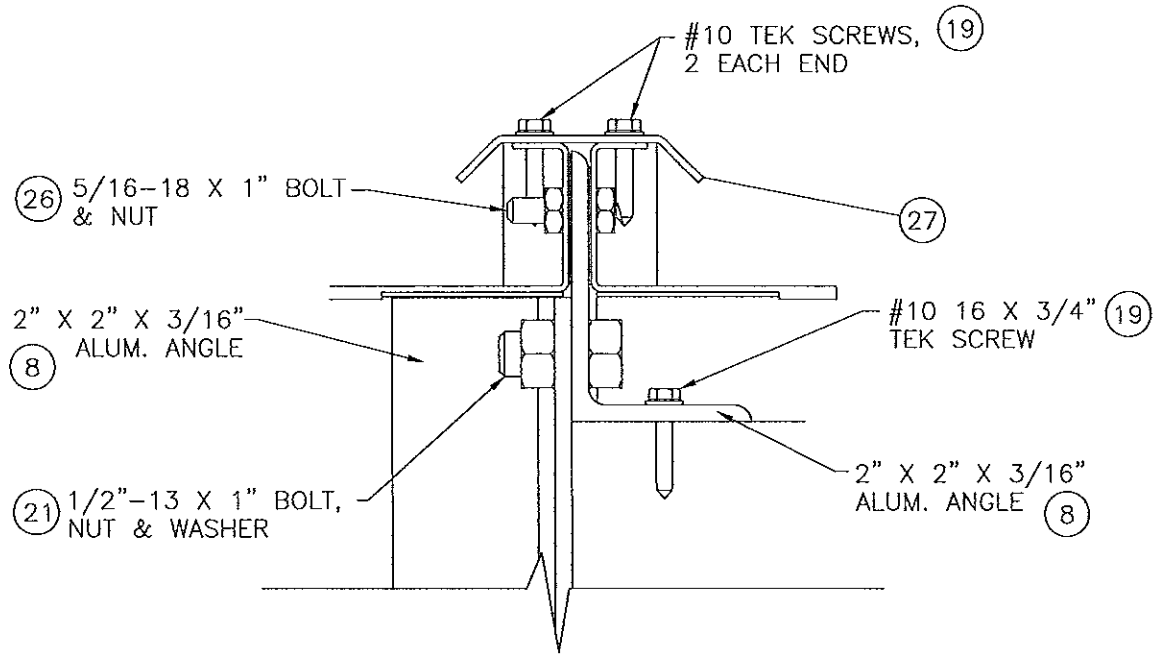


B
4 VERTICAL CROSS SECTION

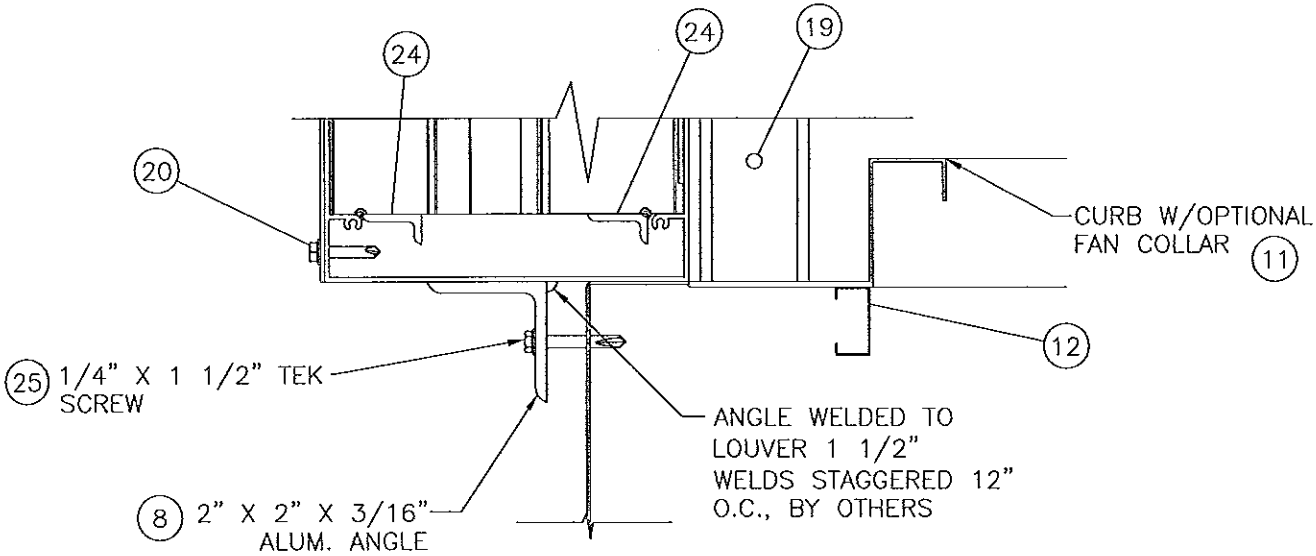
SIGNED: 02/24/2013

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DRAWN: LMP		DWG NO. 08-01640			REV A
SCALE N.T.S.		DATE 06/25/12			SHEET 4 OF 7

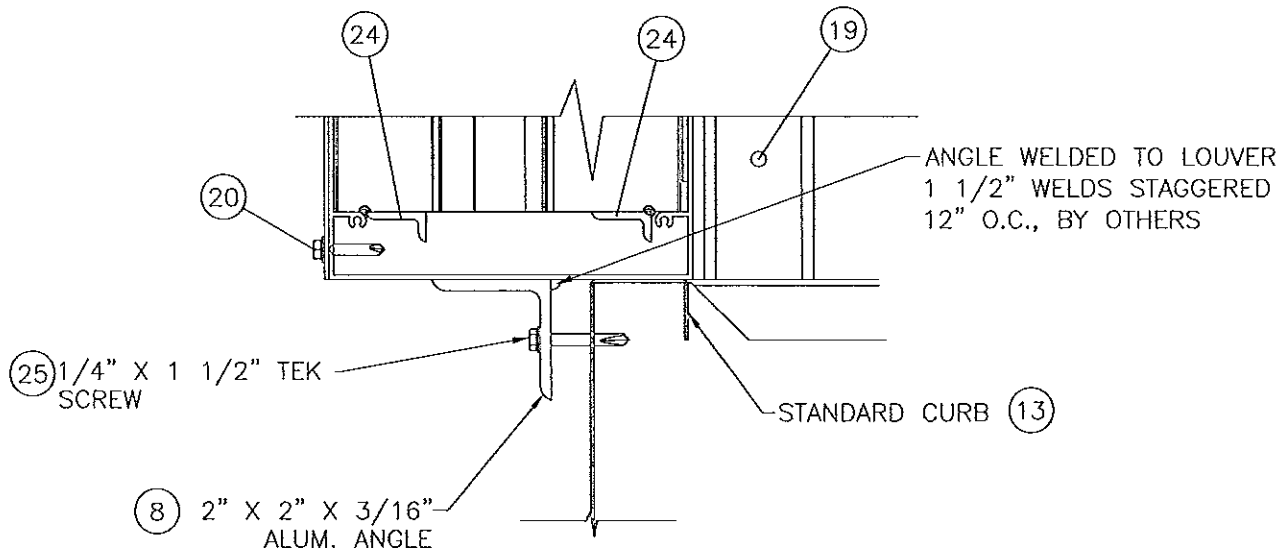
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER MD COMMENTS	02/25/13	R.L.



DETAIL 2
ROOF SECURING
DETAIL



DETAIL 4
OPTIONAL CURB
MOUNTING DETAIL

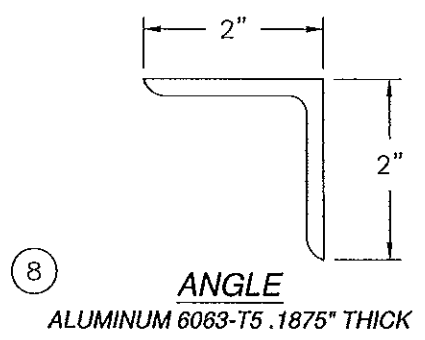
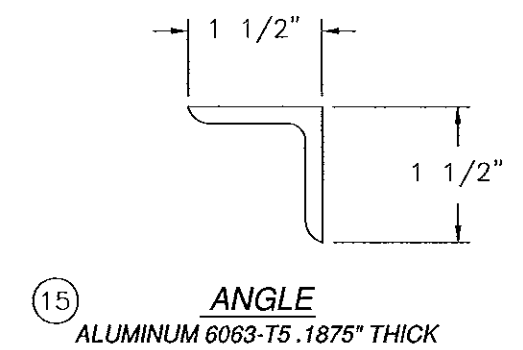
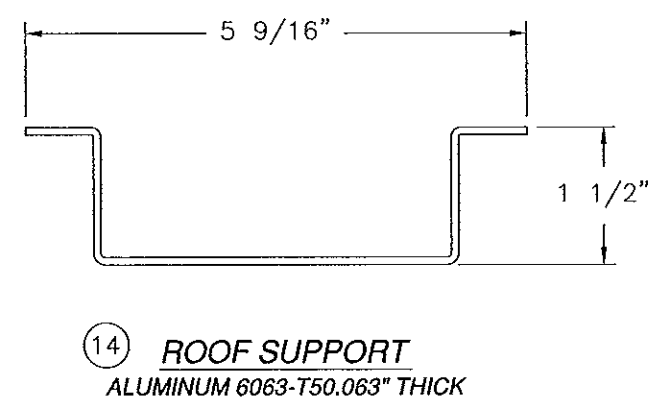
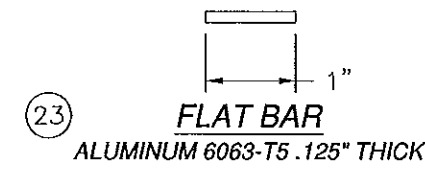
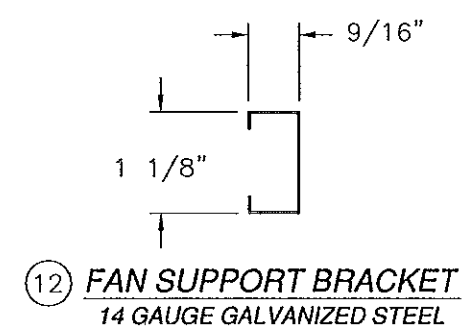
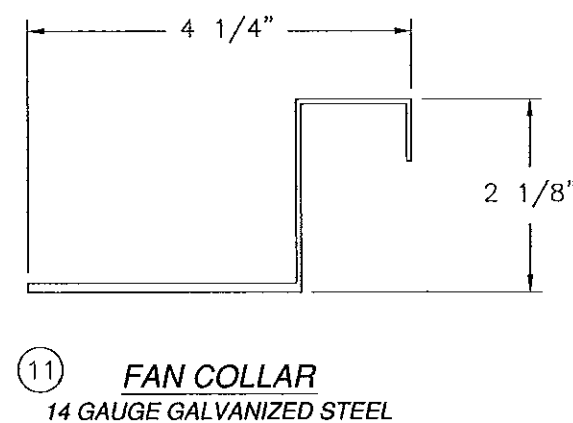
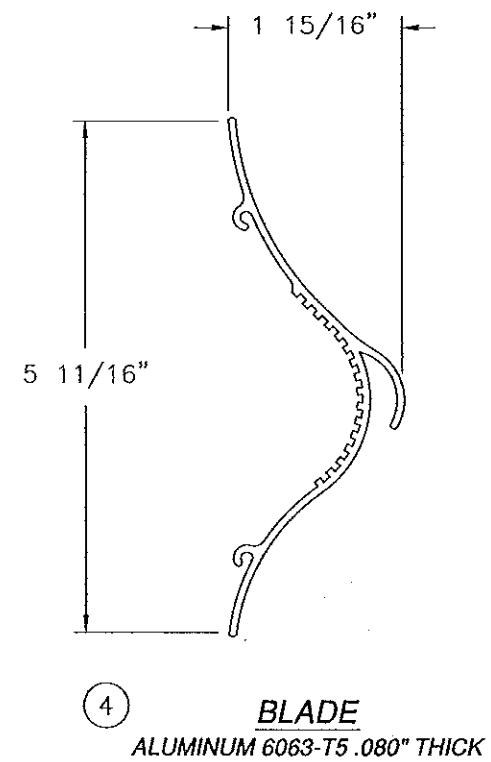
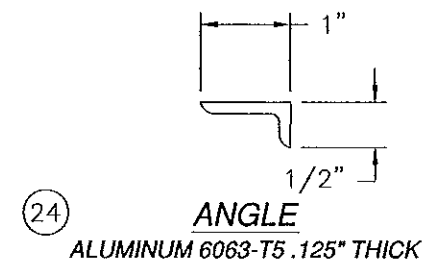
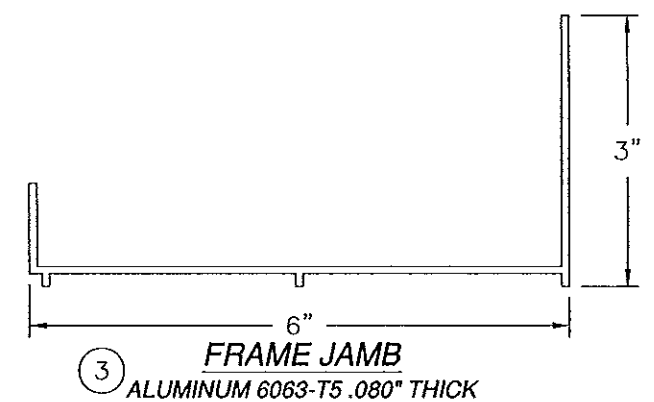
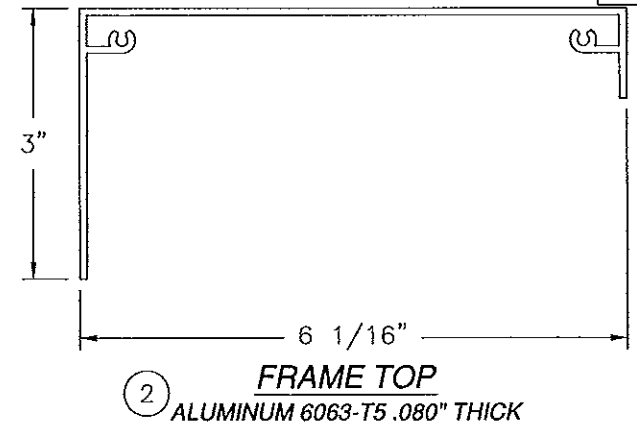
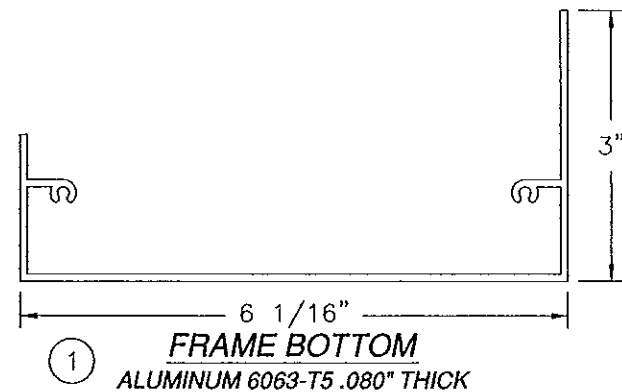
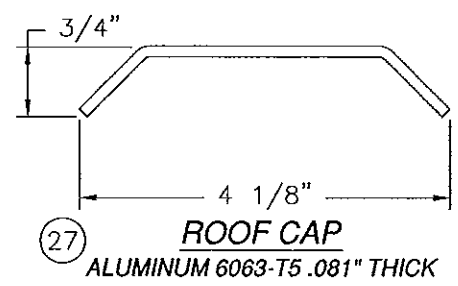


DETAIL 3
STANDARD CURB
MOUNTING DETAIL

SIGNED: 02/24/2013

PRODUCT REVISED as complying with the Florida Building Code Acceptance No <u>12-0618-04</u> Expiration Date <u>02/04/2017</u> By <u>[Signature]</u> Miami Dade Product Control	LEADER INDUSTRIES INC. P.O. BOX 40913 NASHVILLE, TN 37204			
	DC-PVB PENTHOUSE FAN ENCLOSURE CROSS SECTIONS			
	DRAWN: LMP	DWG NO. 08-01640		REV A
	SCALE N.T.S.	DATE 06/25/12		SHEET 5 OF 7

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER MD COMMENTS	02/25/13	R.L.



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0619-04
Expiration Date 05/02/2017

By: *[Signature]*
Miami Trade Product Control

LEADER INDUSTRIES INC.
P.O. BOX 40913
NASHVILLE, TN 37204

DC-PVB PENTHOUSE
FAN ENCLOSURE
COMPONENTS


DRAWN: LMP	DWG NO. 08-01640	REV A
SCALE N.T.S.	DATE 06/25/12	SHEET 6 OF 7

SIGNED: 02/24/2013

DC-PVB PENTHOUSE LOUVER SYSTEM			
ITEM NO.	DESCRIPTION	DIE NO.	VENDOR
1	SILL/BOTTOM W/LIP EXTRUDED ALUMINUM	22855	LEADER
2	HEAD/TOP EXTRUDED ALUMINUM	22943	LEADER
3	JAMB EXTRUDED ALUMINUM	22852	LEADER
4	BLADE EXTRUDED ALUMINUM	22851	LEADER
5	HORIZONTAL BLADE SUPPORT	22854	LEADER
6	VERTICAL BLADE SUPPORT FORMED ALUMINUM 0.010 (NOT SHOWN)		LEADER
7	0.063" ALUMINUM CORNER COVER (NOT SHOWN)		LEADER
8	2" X 2" X 3/16" ALUMINUM ANGLE		LEADER
9	ROOF SKIN 0.081" THICK ALUMINUM		LEADER
10	CORNER SQUARING PLATE 0.101"		LEADER
11	FAN COLLAR 14 GA. GALVANIZED STEEL (OPTIONAL)		LEADER
12	FAN SUPPORT BRACKET C CHANNEL FORMED GALV. STEEL 14GA. (OPTIONAL)		LEADER
13	ROOF CURB 14 GA. GALVANIZED STEEL 24" MAX. HEIGHT		LEADER
14	ROOF SUPPORT ALUMINUM 0.063"		LEADER
15	1-1/2" X 1-1/2" X 3/16" STEEL ANGLE		
16	#12-14 X 1 1/2" TEK SCREW		
17	5/16" LAG BOLT INSTALLATION ANCHOR W/ 1 5/8" MIN. EMBED.		
18	1/4" DIAMETER HILTI KWIK BOLT III ANCHOR W/ 2 1/2" MIN. EMBED.		HILTI
19	#10-16 X 3/4" TEK SCREW		
20	#10-16 X 1/2" SS		
21	1/2"-13 X 1" BOLT, NUT & WASHER		
22	HINGE		
23	1/8" X 1" ALUMINUM FLAT BAR		
24	1/2" X 1" X 1/8" ANGLE		
25	1/4" X 1-1/2" TEK SCREW W/ FULL PENETRATION		
26	5/16 -18 X 1" BOLT & NUT		
27	ROOF CAP 0.081		
28	1/4"-3 POINT SELF DRILLING SCREW		BUILDEX
29	1/4" TAPCON		

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LEADER INDUSTRIES INC.

P.O. BOX 40913
NASHVILLE, TN 37204

DC-PVB PENTHOUSE
FAN ENCLOSURE
BILL OF MATERIAL

DRAWN: LMP	DWG NO. 08-01640	REV A
SCALE N.T.S.	DATE 06/25/12	SHEET 7 OF 7

